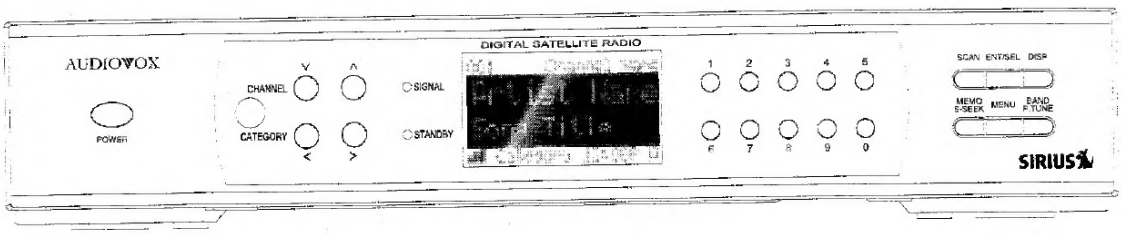
AUDIOVOX®
ELECTRONICS CORP.

SIRIUS

Digital Satellite Radio Receiver

CE1000SR



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Congratulations

You are one step closer to experiencing Sirius Satellite Radio. Sirius will revolutionize and enhance your in-home Stereo Entertainment System with:

- 100 streams of original programming, including –
  - 60 streams of completely commercial-free music – guaranteed.
  - 40 streams of news, sports and entertainment
- Coast-to-Coast reception and Digital-quality sound

All music content is selected and developed in-house by Sirius' team of Master Music Programmers – talented and seasoned professionals who love the music as much as the listeners. World-class partners such as ESPN, ABC, CNBC, Bloomberg, Discovery and Radio Disney are developing news, sports and entertainment programming.

Your Audiovox Digital Satellite Radio Receiver is a self-contained and can be integrated into your existing Stereo System component console or shelf arrangement. A separate AC Adapter and Home Antenna are both supplied for your specific installation needs. In addition, the CE1000SR Receiver System is equipped with Infrared (IR) sensing and responds to remote input commands from a hand-held Remote Control, also supplied as part of your in-home Satellite Radio Receiver System.

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Cautions and Warnings

1. Do not install the Receiver in a position that obstructs viewing of any home entertainment component, such as Television, or stereo system indicators and displays.
2. Remember to provide a clear line-of-sight to the front of the Receiver System so that commands from the Remote Control are not obstructed in any way.
3. This unit complies with the interference limits relative to a Class B digital device, applicable under Part 15 of the FCC Rules regarding installation in a residential environment. If the unit is not installed in accordance with these instructions, it could cause harmful interference to radio or television reception. If this condition persists after corrective action, consult your dealer or experienced installation facility.
4. By adhering to these warnings and safety considerations, serious accidents and/or personal injury can be avoided.

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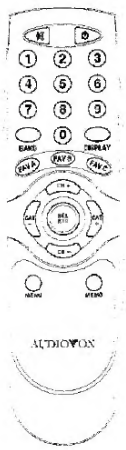
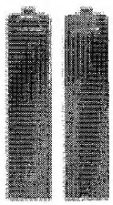
Satellite Radio Receiver System Components

Digital Satellite Radio Receiver CE1000SR

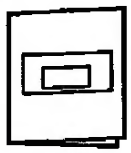


Remote Control Unit (P/N 136C3604)

Batteries for Remote (2) "AAA"

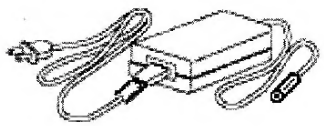


Install/Operation Manual P/N 128-6964



1 pc.

DC Power Adapter (P/N 136C3584)

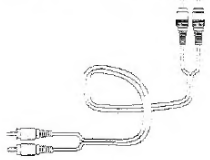


1 pc.

Antenna (P/N 118C1129)

1 pc.

Audio Cable (P/N 112B3365)



1 pc.

NOTE: 1. An optional bracket mounting kit, **Part Number SHR-BRK**, can be purchased separately. The kit consists of left and right rack mount brackets, mounting screws, and an installation sheet.

2. The **S/PDIF** coaxial output cable and the **RS232** serial communication cable are optional and must be purchased separately.

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Introduction

The Audiovox SIRIUS® Digital Satellite Radio Receiver processes the satellite signals received by the externally mounted antenna (supplied). The Unit recognizes and decodes the incoming SIRIUS® program information and provides an audio signal to your Stereo Radio Receiver or other audio output equipment.

NOTE: The SIRIUS® signal can be received and processed virtually anywhere as long as there are no obvious satellite signal obstructions such as nearby buildings, high terrain, parking garages or tunnels.The Satellite Receiver System is typically installed in an accessible location close to your stereo receiving equipment to permit integration as part of your Home Stereo System.

Installing Your SIRIUS® Receiver

You can begin to enjoy Sirius® Satellite Radio as soon as the Satellite Radio Receiver System installation is complete. Set up your Audiovox Receiver System using the following installation instructions:

Installation/Wiring Precautions

1. Make sure the adapter cable is not connected to an AC wall outlet until all interconnections have been made and verified. The adapter power cable should be connected last.
2. Do not install the unit in the locations exposed to direct sunlight or in areas subject to extreme temperatures.
3. Incorrect installation may cause damage to the system.
4. During antenna placement/installation, refer to the Antenna Aiming procedure (page 23) during the installation procedure.

Installation Setup

NOTE: The SIRIUS® signal can be received and processed virtually anywhere as long as there are no obvious satellite signal obstructions such as high terrain, trees, overhangs, etc. However, signal reception depends mainly on where you live, geographically, and where this place is with respect to the orbital paths of the Sirius satellites. In placing the antenna, therefore, these factors must be taken into account.

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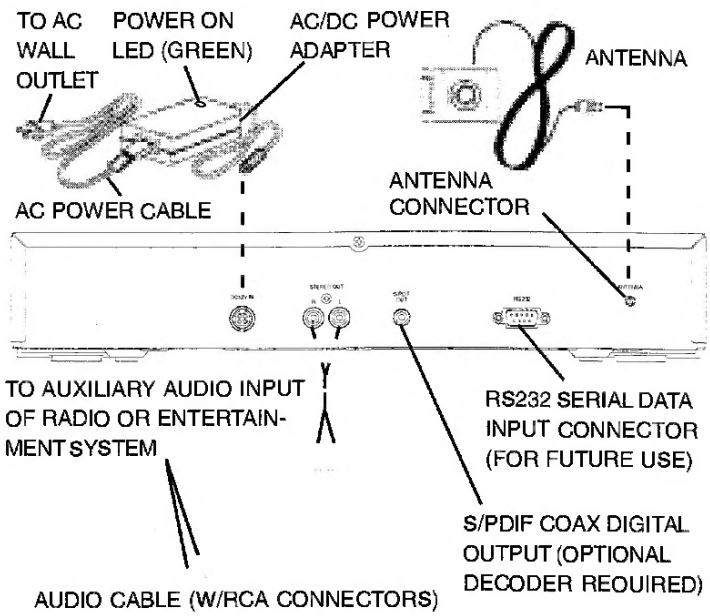
1. ***Cabling Interconnections***
You can begin to enjoy Sirius® Satellite Radio as soon as the Receiver System installation is complete. Set up your system using the following installation instructions, or enlist the help of a professional installer.

2. ***Installing/Positioning the Antenna***
For best reception, the supplied antenna should be placed near a window; some repositioning may be required to achieve optimum results. The following guidelines are recommended:

   a. In a major city, where Sirius ground repeaters are present, you can usually place the antenna away from a window and still achieve the desired results.

   b. You can also place the antenna outside (on the roof structure), provided it is clear of any overhead obstructions.

Interconnect Diagram


TO AC WALL OUTLET
POWER ON LED (GREEN)
AC/DC POWER ADAPTER
ANTENNA
AC POWER CABLE
ANTENNA CONNECTOR
TO AUXILIARY AUDIO INPUT OF RADIO OR ENTERTAIN-MENT SYSTEM
RS232 SERIAL DATA INPUT CONNECTOR (FOR FUTURE USE)
S/PDIF COAX DIGITAL OUTPUT (OPTIONAL DECODER REQUIRED)
AUDIO CABLE (W/RCA CONNECTORS)

NOTE: Because of the orbiting characteristics of the Sirius Satellites, the strength of the received signal may change over time. In most cases however, the signal should be available continuously. If you experience a loss of signal or audio, reposition the antenna inside the home or outside as necessary.

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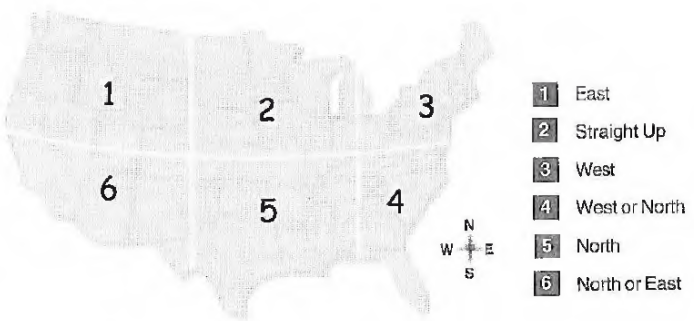
3. ***Antenna Placement***

To ensure strong reception in your home, observe the following antenna placement considerations:

a. For **BEST** reception, place the antenna outside on the roof; the antenna is waterproof. This position will afford the clearest view of the sky for best reception. When placed in this location, an antenna extension cable may be required. Refer to the adjoining map for best pointing directions.

b. If roof placement is not possible, **BETTER** reception can be achieved by placing the antenna outside a window, or by mounting it to the side of the house. In either case, try to achieve the best possible clear sky conditions as shown.

c. **GOOD** reception can be achieved by placing your antenna in or near a window, since signal repeaters are used in major metropolitan areas to boost signal strength. In these cases, the antenna can be placed inside the home. Once again, try to achieve clear sky conditions as shown.



d. Apply power to the Receiver as outlined in the associated User Guide and obtain an audio output. If no audio is heard, point the antenna in different directions until an audio output is heard. This is the desired antenna aiming position.

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e. After determining the optimum position, turn off Receiver power, disconnect the power adapter from the wall outlet receptacle and disconnect the antenna cable.

f. Plan the routing of the antenna cable to the Receiver ANTENNA input. Make sure you avoid any obstructions that could crimp, kink or twist the cable; use protective grommets wherever rough openings are encountered.

g If the antenna is mounted outside, route the cable from the antenna position to the interior of the home, working the cable through the basement, under a window sill, etc.; make adjustments and take up slack whenever necessary.

h. Plug the antenna cable into the ANTENNA connector on the back of the Receiver.

i. Plug the DC Adapter cable jack into the DC12V IN receptacle on the back of the Receiver.

j. Plug the adapter into a 110-volt wall receptacle; the front panel STANDBY LED will light red.

k. You are now ready to enjoy Sirius programming within your home.

4. Testing Antenna Signal Strength

When signal strength is weak, the possibility of sound interruption is greater than degradation of sound quality. To minimize signal interruptions, it is wise to test antenna signal strength.

Most Plug & Play systems and home units, such as the CE1000SR, have special antenna aiming screens within their menu options. Refer to page 23 for Antenna Aiming instructions using two, 10-segment horizontal bar graphs.

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Operating the Receiver System

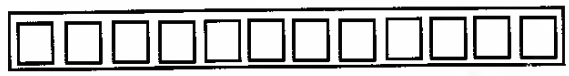
When power is available to the unit, note that the STANDBY LED lights red. In addition, the AC/DC power adapter LED lights green when properly connected between the +12 Vdc receiver power input and the AC wall outlet.

AC/DC Wall Adapter

1. Press the Power button to turn on the System.

2. The Sirius logo (SIRIUS) appears on the display followed by the Category/Channel stream last selected. If this is the first time using the Receiver, the screen will display "Updating Channels". If not, go to stream 184 using the direct channel method, page 14, Direct Tuning.

3. To obtain the Sirius identification (ID) number, press the MENU button. The **Menu Options** page appears with the Sirius ID option highlighted. Press the ENT/SEL button and the 12 digitSirius ID number will appear. Write the number here for future reference.



4. Activate your Sirius® radio service ---- it's easy. You have one of two choices to activate your service:

   (a) Visit the website at **siriusradio.com** and click on the "JOIN" section. You will then need to follow some simple directions and provide Sirius with some basic information in order to activate your service.

   (b) Call Sirius at 1-866-845-7474. One of our friendly Customer Care representatives will takethe necessary information and walk you through the activation process.

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Sirius® Home Unit Controls

The Audiovox Sirius® Home Unit provides 11 control buttons, 10 number keys and 2 function LEDs.

STANDBY LED:

This LED lights red when power is available to the CE1000SR via the AC/DC Adapter to the DC12V IN connector.

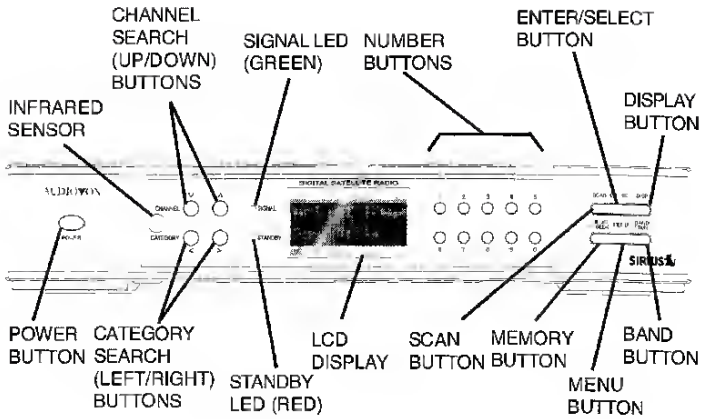
SIGNAL LED:

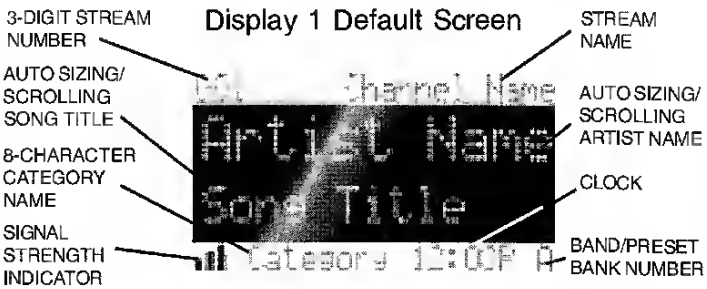
This LED lights green when the CE1000SR is properly powered on and a SIRIUS® signal is being received by the antenna at the ANTENNA connector.

POWER Button:

This button applies and removes power to the CE1000SR provided the unit is in the Standby mode as evidenced by the red STANDBY LED.

1. A momentary press of the power button turns on the receiver. The Sirius logo/name (SIRIUS) initially appears on the LCD display for 3 seconds, followed by the Default screen.
2. A momentary press of the power button turns off the receiver. While the unit powers down, the Audiovox logo appears for 2 seconds and the unit turns off.





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CHANNEL Up/Down Buttons and ENT/SEL Button:
The CHANNEL Up/Down buttons are the primary control for navigating through the various lists and option menus available on the unit. In the default mode, the CHANNEL buttons provide sequential tuning through the available program streams.
Pressing the Up button tunes up one stream, while pressing the Down button tunes down one stream. When in the list mode, pressing the Down and Up buttons scrolls down and up, respectively, through the various menus and lists. The current selection from the list will be highlighted on the display. When the item is highlighted, press the ENT/SEL button to enter the selection. Pressing and holding the ENT/SEL button will tune to the previous stream. Pressing and holding either CHANNEL button will cause rapid Up or Down navigation through the various lists and option menus.

Category Buttons:
The Up or Down category buttons allows the user to advance through the stream groups based on content category. By using the CHANNEL Up/Down buttons, the user can then scroll up or down through the streams within that category. Once a choice has been made, it can be entered by pressing the ENT/SEL Button.

Memory (MEMO) Button (S-SEEK Function):
This feature allows the user to capture and store the current program data information (Stream Name & Number/ Artist & Song title). You can store up to 20 Artist/Song Title combinations. The unit also has the capability to search the current incoming Sirius signal, and thereby alert you if it matches the Artist/Song title stored in unit memory.

Display (DISP) Button:
This button allows the user to choose one of several ways of presenting the Stream Name, Artist and Song title information on the LCD screen.

Menu (MENU) Button:
The MENU Button is used to access "Menu Options" which displays the user setup menu, plus other feature/function adjustments.

BAND Button (BAND)/Preset Tune (P. TUNE):
Each momentary press of the BAND Button allows the user to switch between 3 bands of Stream presets (10 presets each A, B and C). Pressing and holding the BAND Button for 2 seconds initiates preset tuning that will display and tune all stored preset streams in sequence. This is indicated by the reverse image of the stream number and band preset number on the display. Pre-set tuning continues until the user decides to terminate this function by pressing and holding the BAND Button for 2 seconds.

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Scan Button:
When in the Default Channel Tuning mode or Preset Tuning mode, pressing the SCAN button will play the next Channel/Preset in ascending sequential order for 10 seconds. Stream scan is terminated when the SCAN button is pressed again, or when the ENT/SEL, Category or Channel button is pressed.

Keypad Buttons 0-9:
These buttons are used to directly enter a desired stream number. They are also used when entering and recalling preset stream numbers into memory.

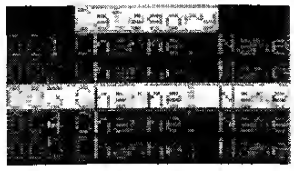
Basic Operation

With the unit properly installed, activated and connected to your home audio system, proceed as follows:

1. Press the Power button; the unit turns on and the Sirius logo appears for 3 seconds followed by the default display for the stream and tuning mode in effect prior to turnoff.
2. Press the CHANNEL Up/Down buttons to select and play the desired stream, or use the Category Up/Down buttons to tune and select a desired stream based on genre.

Tuning By Category
When in **Category Tuning Mode**, each momentary press of the Category Up/Down Button(s) advances through the available Genres:

Category List Display



1. Using the CHANNEL Up/Down buttons, select the desired stream.
2. Press the ENT/SEL button to select that stream.
3. Once the stream has been selected, the unit will revert to the default screen and your selection will be played.

Content Listing Options (Look Ahead)
This feature allows you to view what is playing on other streams without having to change the current stream you are listening to. The content listing options are selected by using the DISP

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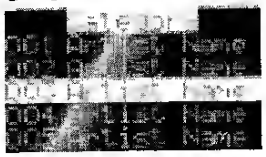
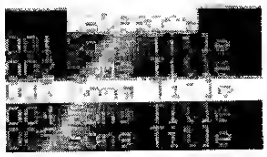
button. When the default screen is displayed on the LCD, pressing and holding the DISP Button will display all the available stream numbers and stream names. The second press of the DISP button will display all currently available artists. The third press of the DISP button will display song titles. While in the Category List menu, pressing the DISP button changes Stream List to Artist List. The available content listing now displays information by the Artist Name.

Category Artist Name Display



Category Song Title Display



The DISP button is also used during category tuning. Consecutively pressing the DISP button while tuning by category will display the Stream Name, Artist Name or Song Title within the selected category.

While the preceding screens are displayed, pressing the CHANNEL Up/Down buttons allow navigation through the list. When the desired selection is highlighted, press the ENT/SEL button and your selection will be played.

Direct Tuning

Streams can also be directly accessed by pressing the ENT/SEL button and using the 0-9 number keys to numerically enter the desired stream. Once the desired stream number has been entered, press the ENT/SEL button again to play.

Setting/Using Stream Preset Buttons

The unit contains 10 preset buttons. There are three banks of preset memory locations offering a total of 30 presets. These banks are designated A, B and C and can be selected using the BAND button. The display in the lower right hand side changes to show the corresponding Preset bank. Each bank will store 10 user-preferred streams. Select the desired stream you wish to save into memory by using the CHANNEL Up/Down buttons, the direct tuning method or the category tuning method. With the desired stream playing, press and hold any of the numbered keypad buttons (0-9); the corresponding preset number will flash. A confirmation tone is heard, confirming that the

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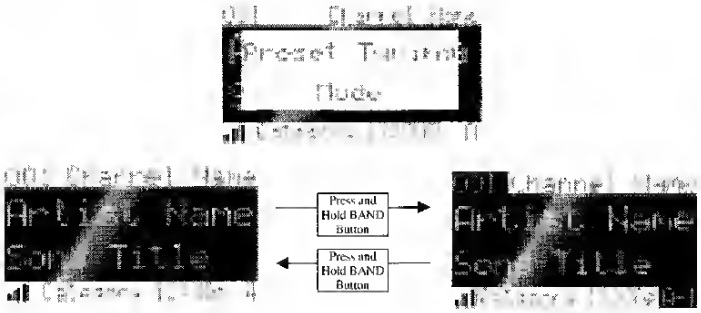
preset has been stored. Continue this procedure for storing all desired streams. To retrieve a preset stream, momentarily press and release the number button corresponding to the desired stream.



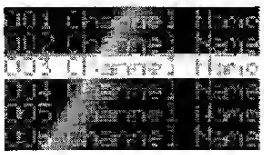
Preset List Mode

To search for a preset, press and hold the BAND button to enter Preset Tune mode. When in the Preset Tune Mode, press and hold the DISP button for 2 seconds; this exits normal preset tuning and enters a 6-line menu mode which displays the Preset number (**A-1**), a single space and the 20-character stream name. While in the Preset List menu, pressing the DISP button once will change to Artist List; a second press of the DISP button changes to Song List.

While the contents of the preset listing are displayed, press the CHANNEL Up/Down buttons to navigate through the list. When the desired selection is highlighted, press the ENT/SEL Button and the stream will be played.

Display Button

Pressing the Display button from the Default display toggles between the artist name/song title screen or large letter format. When the letter size changes, the field will scroll. This feature is useful when viewing the display at a distance.



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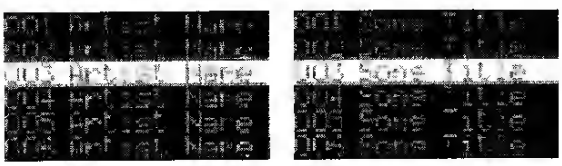
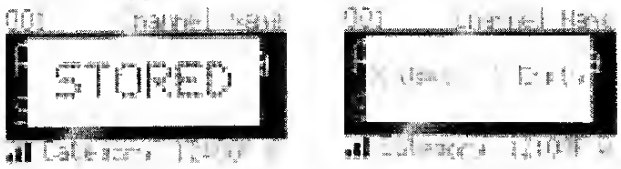
NOTE: The field will scroll only if the length of the artist or title cannot be viewed in its entirety. Pressing and holding the Display button will enter the stream list mode. While in the Stream List mode, any subsequent press of the DISP button will display program information by Artist Name, Song Title or stream name. Pressing and holding the DISP button will exit the Stream List mode and return to the previously selected tuning/display mode.

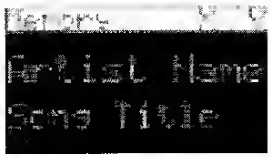


Memory Button (S-Seek Function):
This feature allows the user to capture and store the current program data information (Artist & Song title) with up to 20 listings (20 Artist/Song Title combinations). The unit also has the capability to search the current incoming Sirius signal and alert the user when a saved song is being played.

1. While the unit is in either of the two standard display modes, momentarily pressing and releasing the MEMO button stores the current program data information within unit memory. A Memory Stored pop-up screen, followed by **"X Used/ Y Empty"** will each appear for 1 second.



2. By holding down the MEMO button for 3 seconds, the stored memory information (one at a time) is displayed on the LCD screen in page format. Use the CHANNEL Up/Down buttons to scroll through the 20-page listing and view the information. This function allows you to recall information regarding the Artist/Song Title for your own personal review. To return to the default tuning mode press and hold the MEMO button for 3 seconds.



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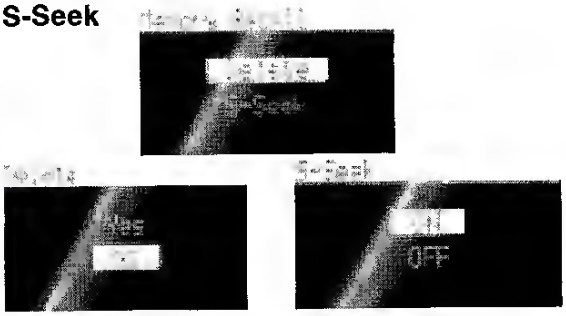
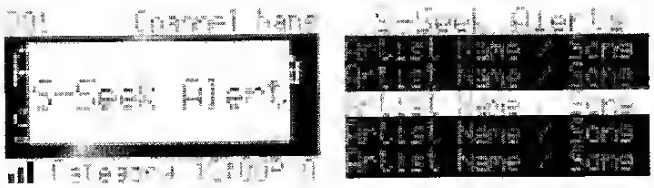
3. Momentarily pressing the ENT/SEL button while in memory recall mode results in a pop-up screen displaying two selectable options:
   Delete
   S-Seek



Pressing the CHANNEL Up/Down buttons highlight the options and pushing the ENT/SEL button selects the option. The delete option allows the user to deletethe currently featured artist/ song title selection from S-Seek memory. The default setting is **NO**. If the **YES** option is chosen, the currently featured Artist/Song Title is deleted from S-Seek memory. The **S-Seek** option allows the user to turn the S-Seek function on or off. The default setting is S-Seek on. If the off option is chosen, the user will not be alerted when a stored artist song title selection is currently playing. Momentarily pressing the MEMO button will exit the current menu and return to the previous menu.

4. When the S-seek function is on each time the Receiver is turned on, it automatically searches the incoming signal to determine if a match exists between the signal and the currently saved information stored in receiver memory. If one or more matches are found, pop-up screen momentarily appears for 2 seconds and displays the Phrase **S-Seek Alert**. An audible beep tone will be heard indicating that a match has been found. The display then reverts to the **S-Seek Alert** screen which displays the current matches. You can now select the Artist/Song that you wish to listen to.



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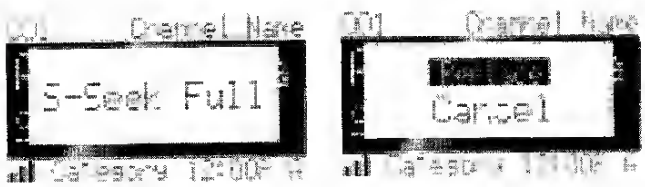
No stored match alert is provided for the currently selected stream. To ensure that no duplicate entries are stored in memory, the receiver will check the stored input data to ensure the information about to be stored is not already in memory.

a. If one or more matches are found, a display list appears, and allows you to scroll through the list of songs using the CHANNEL Up/Down buttons. Once a song is found, it can be selected by pressing the ENT/SEL button, and the display will revert to either of the selected display modes.

b. If a selection is not chosen within 10 seconds after the last action, the screen will revert to the previously selected display and tuning mode.

NOTE: Play of the current selection will continue until a new selection is made.

5. If the MEMO button is pressed to save a currently-playing selection, and all of the memory spaces are full, **S-Seek Full** will flash on the display for 1 second, followed by a pop-up screen presenting the **Replace-Cancel** options. This prompt allows you to make the following Replace/Cancel choices:



a. By selecting **Replace**, the memory list will appear, and you can use the CHANNEL Up/Down buttons to select the information that you would like to overwrite with the new Artist/Song Title. After highlighting the selected title in the list, press the ENT/SEL button to delete the stored Artist/Song Title, and replace it with the updated information.

b. By selecting **Cancel**, the prompt screen would disappear and revert to the original screen.

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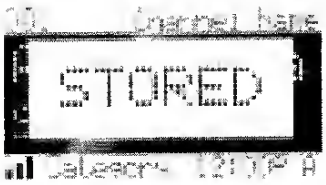

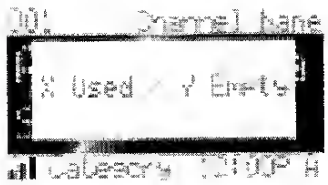

Menu Display Operations
To enter the Menu Options page, press the MENU Button. The **Menu Options** list will appear on the LCD display.

Using the CHANNEL Up/Down buttons, highlight the option you wish to adjust and then press the ENT/SEL button. The following options are available:

Sirius ID
Display Settings
Confirm Tone Options
Add or Skip
Lock Options
Audio Level Options
Antenna Aiming
Memory Options
Time Based Features
Factory Default

If, while in the menu screen function, a button is not pressed within 10 seconds from the previously selected function, the unit exits the menu screen function and reverts to the default screen display.

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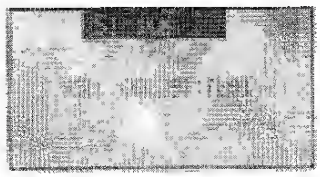
Sirius ID
Displays your 12 digit Sirius ID number. No adjustments are allowed in this mode. To exit this option, press the ENT/SEL or Menu Button.

Sirius ID



Display Settings
The following adjustments are possible:

Contrast Control
Dimming Control
Font Type

To enter any of these modes, use the CHANNEL Up/Down buttons to highlight the option you wish to adjust and press the ENT/SEL button. Upon entering either the contrast or dimming control, a 10 segment horizontal bar graph is displayed with a "-" sign to the left and a "+" sign to the right. The current setting is indicated on the bar graph. Pressing the CHANNEL Up/Down buttons adjusts the bar graph indication and function accordingly.

The Font Types allow the user to select the appearance of text on the receiver display.

Confirm Tone Options

The following adjustments are possible:

ON

OFF

Upon entering this option, press the CHANNEL Up/Down buttons to toggle between Tone **On** or **Off.** High light the desired condition, and press the ENT/SEL button to enter the tone On or Off function. When the tone is enabled, a beep tone will sound each time the Power On/Off button or preset buttons are pressed.

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Add or Skip
Upon entering this mode, a stream list is displayed with the current stream in play highlighted. Press the CHANNEL Up/ Down buttons to navigate the list and highlight the stream to be adjusted. Once a stream has been highlighted, pressing the ENT/SEL Button displays the text "**Skip**" next to the stream, and prevents the stream from being accessible during any of the tuning modes. Skipped streams can only be accessed either through direct stream number entry or by returning to this menu and going through the same process to return the skipped stream to the list. Upon adding a stream, the text "**Skip**" is removed from alongside the stream number/ name.

Lock Options
Upon entering this mode for the first time, the user is prompted to enter a four digit numerical code that is used to lock/unlock stream access. All future entries into this mode displays a stream list with the current stream in play highlighted. The CHANNEL Up/Down buttons are used to navigate the list and highlight the stream to be adjusted. Once a stream has been highlighted, pressing the ENT/SEL button displays the text "**Lock**" next to the stream and prevents the stream from being accessible during any of the tuning modes. Locked streams can be accessed only by direct stream number entry, at which time the user will be prompted to enter the previously stored 4-digit code. Once the correct code has been entered, the audio begins to play. The stream returns to the locked status if the stream is changed or the vehicle/unit is turned off (or by returning to this menu and going through the same process to return the stream to the list). Upon adding a stream, the text "**Lock**" is removed from alongside the stream number/name.

Lock/Unlock Default Code Function
The first time the Lock/Unlock function is accessed, the user must enter the default lock code. The default lock code is "0000". This code can be maintained or changed. To change the default lock code perform the following procedure:

1. Press the MENU button to access the User Menu.
2. Press the CHANNEL Up/Down buttons to select the "**Lock Options**".
3. Press the ENT/SEL button.
4. Press the CHANNEL Up/Down buttons to highlight "**Edit Code**".

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5. Press the ENT/SEL button.
6. Enter the default code "**0000**".
7. The "**New Code**" prompt will appear. Enter your newfour digit code using the 0-9 number buttons. You will then be prompted to confirm the new code by entering your code again.
8. The lock code is now changed.

Edit Code
Upon entering this mode, the user is prompted to enter the current four digit numerical code being used to lock/unlock stream access. Once the correct code has been entered, the user is prompted to enter the new 4-digit code twice. The second entry is requested for confirmation.

Audio Level Options
Upon entering this mode, a 10 segment horizontal bar graph is displayed with a "-" sign to the left and a "+" sign to the right. The current setting is indicated on the bar graph. Pressing the CHANNEL Up/Down buttons will adjust the bar graph audio level indication and audio gain, accordingly. To select and exit this function, press the ENT/SEL button. No button activity for 10 seconds will also exit this function.

Antenna Aiming
Upon entering this mode, two 10 segment horizontal bar graphs are displayed with a "-" sign to the left and a "+" sign to the right. The satellite signal strength is displayed by the SAT graph. The terrestrial signal strength is displayed by the TER graph. Position the antenna to optimize either the satellite or terrestrial signal. (Refer to page 9.) The current setting is indicated on the bar graph. Moving the antenna location adjusts the bar graphs signal strength, represented by the filled-in bar graph squares, thus ensuring optimum reception. To exit this function, press the ENT/SEL button.

NOTE: Terrestrial repeaters are typically used in large urban areas where structures may affect the line of sight satellite signal. Terrestrial signals (TER) may not be available in your geographic location.

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Memory Options
In this mode, the user can turn the Memory Search Function (S-Seek) ON or OFF. In addition, all 20 Memory Locations can be cleared.
On the display, the top line displays the text, **Memory Options**. The following adjustment options are possible:

1. **Automatic Memory Search function - On or Off.** Use the CHANNEL Up/Down buttons to select between the 2options by highlighting the desired selection. Then press the ENT/SEL button to enter the option.

2. **Clear all Memory Locations**. Press the ENT/SEL button; a prompt display screen appears confirming: **Are You Sure?** Select "Yes" or" No" and press the ENT/SEL button.

Time Based Features
The following adjustments are possible:
Clock
Alarm Clock
Program Alert
Sleep Mode

Upon entering this mode, press the CHANNEL Up/Down buttons to highlight the desired function and press the ENT/SEL button.

NOTE: No button activity for 10 seconds will also exit the desired (highlighted) function.

Clock
When entering this menu option, you can set up the clock shown on the default display, based on the format desired, the time zone in which you reside and Daylight Savings Time, if used. The clock data is provided via the Sirius stream, and will update based on the received signal.

Format:
The clock format option provides:
12 Hour (Default)
24 Hour
Use the CHANNEL Up/Down buttons to highlight the desired format and press the ENT/SEL button.

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Time Zone:
The Time Zone option provides:

(GMT-9:00) Alaska
(GMT-8:00) Pacific
(GMT-7:00) Mountain
(GMT-6:00) Central
(GMT-5:00) Eastern
(GMT-4:00) Atlantic
(GMT-3:30) Newfoundland (Abbreviated as GMT-3:30 Newfndlnd)

Use the CHANNEL Up/Down buttons to highlight the desired time zone and press the ENT/SEL Button.

Daylight Savings Time (**DST**) Observance: Activate this function if your area is subject to DST; rotate the Encoder knob to toggle between **DST Observed** (default) or **DST Not Observed**.

NOTE: When the unit has not been turned on, be sure to position the antenna to receive the satellite signal so the time can be automatically updated. If the time information has been lost, the unit will not display the time information and preprogrammed alarms will not be triggered until the unit updates the time information using the satellite signal.

Alarm Clock:
When this menu option is highlighted and selected, you will be able to set the unit to turn on at a specific time. The last selected stream prior to shutdown will be present when the Alarm feature is activated. Additionally, a series of beep tones will be heard. Press any button on the front panel to silence the alarm tones. The alarm will trigger again at the set time unless the **Alarm Off** feature is selected under the **Set Alarm** function.

Set Alarm (Default-Off)
Use the CHANNEL Up/Down buttons to toggle between **Alarm On** or **Alarm Off** and press the ENT/SEL button for desired alarm status. When the alarm is on the time will be displayed on the default screen in reverse image.

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Alarm Time
When this menu option is highlighted and selected the current alarm setting is displayed. The factory default is 12:00PM. By pressing the category buttons the hours can be increased or decreasedin one hour increments. AM or PM will switch automatically when the AM or PM threshold has been exceeded. By pressing the CHANNEL Up/Down buttons, the minutes can be increased or decreased in one minute increments. Pressing the Up button will increase the minutes and pressing the Down button will decrease the minutes. When the desired time is displayed, press the ENT/SEL button.

NOTE: Loss of the satellite signal by the unit will result in a series of alarm tones only.

Program Alert
When this menu option is highlighted and selected, you will be able to program the unit to switch to a selected stream at a specific time. On the display, **Set Stream Alert** will occupy the top text line.

The following adjustments are accessible:
Program Time/Day (Default-12:00pm, Monday)
Stream (Default-Currently Playing Stream)
Program Alert On/Off (Default-Off)

Time/Day:
Pressing the CHANNEL Up/Down buttons toggles between **Time** and **Day**.

If **Time** is selected, the hours can be increased or decreased in one hour increments by pressing the category buttons. AM or PM will switch automatically when the AM or PM threshold has been exceeded. By pressing the CHANNEL Up/Down buttons, the minutes can be increased or decreased in one minute increments. Pressing the Up button will increase the minutes and pressing the Down button will decrease the minutes. When the desired time is displayed, press the ENT/SEL button.

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If **Day** is selected, the screen displays a default day of **Monday**, with selectable choices of **Monday**, **Tuesday**, **Wednesday**, **Thursday**, **Friday**, **Saturday** or **Sunday**. Use the CHANNEL Up/Down buttons to increase (Up button) or decrease (Down button) the desired day selection from the default value (Monday).

Stream:
Press the CHANNEL Up/Down buttons to scroll through a listing of all the Sirius streams in a circular motion. The listing should encompass all 5 available lines. When the desired stream is highlighted, press the ENT/SEL button.

Program Alert On/Off:
Press the CHANNEL Up/Down buttons to toggle between **Program Alert On** or **Program Alert Off**. When the desired alert status is highlighted, press the ENT/SEL button.

Sleep Mode:
In this mode, you have the capability of programming the unit to shut off after a selected period of time. The screen displays **Sleep Mode** on the top line, with optional time settings as follows:

Sleep Off
15 minute
30 minute
45 minute
60 minute

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Sleep Off is the factory default setting. Press the CHANNEL Up/Down buttons to toggle through the desired sleep times. When the desired time is highlighted, press the ENT/SEL button. The unit will now turn off after the selected time has expired

Factory Default

The Factory Default screen displays the text **Restore Default Settings** with the following adjustments:

Yes/No

Upon entering this mode, Pressing the CHANNEL Up/Down buttons toggles between the "Yes" or "No" function/display selection. If "Yes" is chosen, the unit reverts to the original factory settings for the following parameters:

- All Presets revert to empty
- Auto Dimming On
- Display Contrast to 50%
- Display Mode to Auto
- Audio Output Level to 70%
- Access to all skipped Streams (Locked streams remain locked)
- Memory Search On
- Memory Locations are erased
- 12 Hour Clock Format
- Eastern Time Zone
- Daylight Savings Time Observed

Remote Control Unit

The wireless remote control supplied with the unit is capable of operating most of the features from a remote location. Each button on the remote control functions in the same way as the button on the home unit. For a full description of a keypad button or function refer to the preceding sections in this manual. For optimal operation of the remote control, always aim it toward the Remote Sensor on the front panel of the unit.

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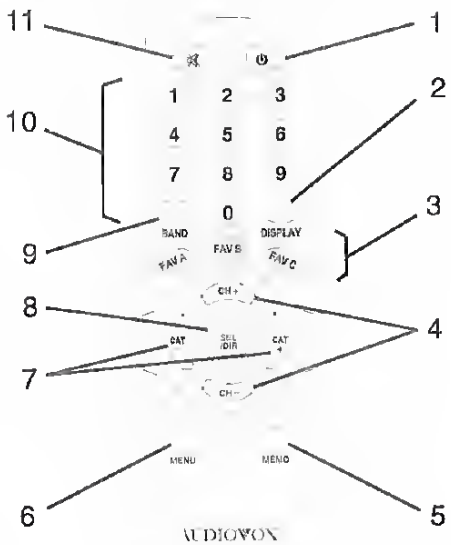
Remote Control Unit



1. **POWER:** Turns the CE1000SR Receiver on and off.
2. **DISPLAY:** allows the user to choose one of three ways of presenting the Artist and Song title information on the LCD screen.
3. **FAV A/B/C:** Provide rapid selection of three favorite bands of stream presets (10 presets each A, B, and C).
4. **CH+/-:** Used to access streams in ascending and descending order. Also used for adjustments in the various menus.
5. **MEMO:** Used to capture and store current program information.
6. **MENU-** Used to access "Menu Options" which displays the user setup menu plus other feature/function adjustments.
7. **CAT+/-:** Used to access program categories in ascending and descending order.
8. **SELECT/ DIRECT:** Used to confirm selection in various lists and menus. Also allows for direct stream entry.
9. **BAND:** Used to switch between the 3 preset bands (A, B, C) and to activate preset tuning.
10. **Presets 0-9**: These buttons are used to directly enter a desired stream number. They are also used when entering and recalling preset stream numbers into memory.
11. **MUTE-** Allows the user to silence the audio signal.

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Troubleshooting

FAULT	PROBABLE CAUSE	REMEDY
Receiver does not turn on	a. AC power adapter cord not plugged into outlet. b. DC Power cable not plugged into rear of unit.	Check AC/DC power cables
Check antenna display message	Satellite antenna not connected	Check antenna con-nection to Shuttle
	Antenna or cable is faulty	Contact system installer or vendor
No Stereo Audio sound output	Check connections to external audio amplifier or speaker system	Check external system, check RCA audio output cables
	Check internal audio to Stereo Out R and L connectors on Receiver	Contact system installer or vendor
No signal on Receiver display	Check for obstacles over or around antenna	Change location to eliminate nearby obstacles (eaves, trees, etc)

Specifications

Audio Output:	2.0V RMS Maximum
S/PDIF (Coaxial Digital Output)	0.9 - 1.0 Vpp
Power Supply:	AC Adapter:
Input Voltage	100-240 Vac, 50-60Hz @ 1.0A
Output Voltage	12 Vdc @ 2.0A
Dimensions:	375mmW x 273mmD x 68mmH (14.75" W x 10.75"D x 2.75"H)

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